

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-09-06 09:56:21  
Date of Next Testing: 2028-09-05 09:56:21  
Product Name: **Microcrystalline Cellulose and Carboxymethylcellulose Sodium**  
CAS Number:  
Specifications & Purity: Ph. Eur., NF, E 460 (i) & E 466  
Lot #: H2428233  
SKU #: **M498254**  
Version: **1**  
Analysis #: **359385**

| Parameter   | Limit Values          | Result                |
|---|-----------------------|-----------------------|
| Assay for CMC-Na(Ident D.Ph.Eur)                            | 11.3-18.8 (%)         | 12.36000 %            |
| Loss on drying  | 0-8 (%)               | 4.10 %                |
| Viscosity , 2.6%  | 2400-5600 (cP)        | 3240.00000 cP         |
| Particle size ( > 250µm)                                    | 0-3 (%)               | 0.36000 %             |
| Heavy metals  | 0-0.001 (%)           | 0.00 %                |
| PH  | 6-8                   | 6.70                  |
| Residue on Ignition   | 0-5 (%)               | 1.06000 %             |
| Solubility(copper tetramine solution)                       | Pass                  | Pass                  |
| Infrared spectrum   | Conforms to Structure | Conforms to Structure |
| Total aerobic microbial count(TAMC) (10 <sup>2</sup> cfu/g) | Passes                | passes                |
| Total molds and yeasts count(TYMC)(20cfu/g)                 | Passes                | passes                |



John Su  
QA & QC Manager